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FILE 'REGISTRY' ENTERED AT 17:31:12 ON 12 MAR 2008
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STRUCTURE FILE UPDATES:   11 MAR 2008  HIGHEST RN 1007457-12-6
DICTIONARY FILE UPDATES:  11 MAR 2008  HIGHEST RN 1007457-12-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

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L5                  STR
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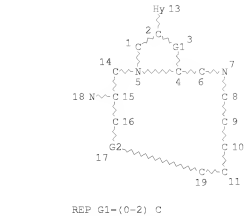


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REP G1=(0-2) C
REP G2=(0-4) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  18

STEREO ATTRIBUTES: NONE
L7          763 SEA FILE=REGISTRY SSS FUL L5

100.0% PROCESSED   53150 ITERATIONS                          763 ANSWERS
SEARCH TIME: 00.00.02


-> b hcap
FILE 'HCAPLUS' ENTERED AT 17:31:21 ON 12 MAR 2008
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FILE COVERS 1907 - 12 Mar 2008 VOL 148 ISS 11
FILE LAST UPDATED: 11 Mar 2008 (20080311/ED)

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This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d bib abs hitrn fhitstr 114 tot

L14 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:193365 HCAPLUS
TI Preparation of pyridazinonyl macrocyclic peptides as hepatitis C serine protease inhibitors
IN Moore, Joel D., Jerry, Dwtongi Or, Yat Sun, Wang, Sho
PA Enanta Pharmaceuticals, Inc., USA
SO PCT Int. Appl., 170pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO	DATE
PI WO-2004013212	A2	20040212	2003WO-EB03714	20030802
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EA, EE, ES, FI, FR, GB, GH, GM, GR, HU, IE, IT, LU, MC, MW, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
PRAI 2004US-0040844	A	20040818		
2003US-0492449	A	20030801		
2003US-0492450	A	20030801		

OS

L14 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN (Continued)

GI

L14 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN (Continued)

1007094-81-4P 1007094-83-8P 1007094-84-9P
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1007095-86-2P
RL: PAPR (Prophetic); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyridazinonyl macrocyclic peptides as hepatitis C serine protease inhibitors)

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1007095-86-2P
RL: PAPR (Prophetic); ACT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyridazinonyl macrocyclic peptides as hepatitis C serine protease inhibitors)

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1007095-86-2P
RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyridazinonyl macrocyclic peptides as hepatitis C serine protease inhibitors)

L14 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:193363 HCAPLUS
TI Preparation of tetrazolyl macrocyclic peptides as hepatitis C serine protease inhibitors
IN Or, Yingi Lin, Dong; Or, Yat Sun; Wang, Zhe
PA Enanta Pharmaceuticals, Inc., USA
SO PCT Int. Appl., 150pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO-2004019328	A2	20040304	2003WO-US025566	20030812
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DM, DO, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EA, EE, ES, FI, FR, GB, GH, GM, GR, HU, IE, IT, LU, MC, MW, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
PRAI 2002US-0403648	P	20020814		
2003US-0492449	A	20030801		
2003US-0492450	A	20030801		

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to macrocyclic compds. I [A = CCOR1, CONR1, CONHSO2R1, NHSO2R1; R1 = cycloalkyl, heterocyclyl, heterocyclylalkyl, cycloalkylalkyl, substituted cycloalkyl, etc.; X = O, S, CH2, NH; R2 = H, halo, alkyl, alkoxy, etc.; R3 = H, halo, NHSO2R3, R4 = Ar; provided that R3 is not CH3O; or CH3CH2O; R4, R5 = independently any of H, halo, CN, NO2, OH, and derivs., NR2 and derivs., (un)substituted heterocyclyl, etc.; or R4CR5 or YR5CR = (un)substituted (hetero)aromatic ring; R = (CH2)j; j = 0-4; D = (CR2)k; k = 1-3; E = (CR2)m; m = 1-3; Y = O, S, NH, NR; R6 = (un)substituted alkyl, alkenyl, etc.] and their pharmaceutically-acceptable salts, esters or prodrugs which inhibit serine protease activity, particularly the activity of hepatitis C virus (HCV) NS3-NS4A protease. The compds. of the invention interfere with the life cycle of the hepatitis C virus and are also useful as antiviral agents. Thus, macrocycle 1 was prepared via multistep synthesis. In HCV assays, representative compds. of the invention were found to have HCV activity in the ranges of 0.2 nM < 100 nM in the NS3/NS4A protease enzyme assay and 0.2 nM < 1000 nM in the cell based replicon assay.

IT 1007094-86-1P 1007094-87-2P 1007094-88-3P
1007094-89-4P
RL: BSP (Biosynthetic, enzymatic); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyridazinonyl macrocyclic peptides as hepatitis C serine protease inhibitors)

IT 1007094-96-3P 1007094-97-4P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of pyridazinonyl macrocyclic peptides as hepatitis C serine protease inhibitors)

IT 1007094-82-5P 1007094-83-6P 1007094-84-7P
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1007094-76-1P 1007094-77-2P 1007094-78-3P
1007094-79-4P 1007094-80-8P
RL: PAPR (Prophetic); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyridazinonyl macrocyclic peptides as hepatitis C serine protease inhibitors)

L14 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN (Continued)

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to macrocyclic compds. I, II, III and IV [A = R1, CONR1, CONHSO2, NHSO2; R1 = (un)substituted (hetero)aryl, heterocyclyl, alk(en/yn)yl containing 1-3 heteroatoms selected from O, S or N, cycloalk(en)yl; R2 = H, Cl, Br; R3 = NHSO2R3, NHSO2NHSO2R3; R3 = H; provided that R3 is not CH3O or CH3CH2O; R5, R6 = independently any of H, halo, CN, NO2, OH, and derivs., NR2 and derivs., (un)substituted heterocyclyl, etc.; or R5CR6 or YR6CR = (un)substituted (hetero)aromatic ring; R = (CH2)j; j = 0-4; D = (CR2)k; k = 1-3; E = (CR2)m; m = 1-3; Y = O, S, NH, NR; R7 = (un)substituted alkyl, alkenyl, etc.] and their pharmaceutically-acceptable salts, esters or prodrugs which inhibit serine protease activity, particularly the activity of hepatitis C virus (HCV) NS3-NS4A protease. The compds. of the invention interfere with the life cycle of the hepatitis C virus and are also useful as antiviral agents. Thus, macrocycle 7 was prepared via peptide coupling and ring-closing metathesis reactions. Representative compds. of the invention were found to have HCV activity in the ranges of 0.2 nM < 100 nM in the NS3/NS4A protease enzyme assay and 0.2 nM < 1000 nM in the cell based replicon assay. Furthermore, several representative compds. showed high liver avg. levels. These compds. did not exhibit any significant inhibitions of Cytochromes P 450 enzymes.

IT 1007117-41-4P
RL: ONC (Pharmacological activity); PXT (Pharmacokinetics); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of tetrazolyl macrocyclic peptides as hepatitis C serine protease inhibitors)

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L14 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)
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(preps. of tetrazolyl macrocyclic peptides as hepatitis C serine protease inhibitors)
IT 1027128-26-8P 1027128-31-3P
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(preparation of tetrazolyl macrocyclic peptides as hepatitis C serine protease inhibitors)
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FL PAC (Pharmacological activity); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of tetrazolyl macrocyclic peptides as hepatitis C serine protease inhibitors)
IT 1027128-26-8P 1027128-31-3P
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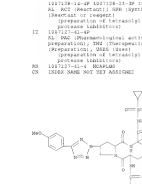
CN [6S]Z NAME NOT YET ASSIGNED



L14 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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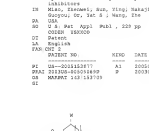
PRAI	2003US--60503459P	P	20030213		

OS MARPAT 143:159709



AB The invention relates to cyclic peptides I [A = H, COR2, CONR2, CONHR2, SOR2, SO2R, alkoxy, NHSO2R1, CONR1, CONHR1, etc.; L = absent, A, AO2, O, NA, NAO, NAO2, NAO3, NAO4, NAO5, NAO6, NAO7, NAO8, NAO9, NAO10, or heterocyclenyl(carbonyl), heterocyclyl, etc.; R3,R4 = H, OH, Me, CN, SH, halo, NO2, NR2, amide, NHSO, CF3O, CF3; E = CH:CH, CH2CH2; W = (un)substituted heterocyclic ring, or their pharmaceutically-acceptable salts, esters, or prodrugs, which inhibit serine protease activity, particularly the HCV NS3-NS4a protease. Thus, treatment of II [A = Boc, L = absent, W = 6-phenyl-2,3,4-tetrazol-5-yl, I = J, n, s = 1; R1, R4 = H, which was prepared via peptide coupling and ring-closing metathesis.

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L14 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

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L14 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
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L14 ANSWER 4 OF 6 MCAPLUS COPYRIGHT 2008 ACS on STN (Continued)
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(macrocyclic hepatitis C virus (HCV) serine protease NS3 inhibitors, their synthesis and use to prevent HCV infection)
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RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); TXU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(macrocyclic hepatitis C virus (HCV) serine protease NS3 inhibitors, their synthesis and use to prevent HCV infection)
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RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); TXU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
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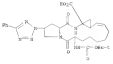
1,2,3,4,5,6,7,8,9,10,11,13a,14,15,16,16a-tetradecahydro-5,16-dioxo-2-(5-phenyl-3H-tetrazol-3-yl)-, (2S,4S,13aR,14aR,16aS)- (CA INDEX NAME)



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L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 2008:183969 HCAPLUS
TI Preparation of phosphorus-containing peptides as hepatitis C serine protease inhibitors
IN Moore, Joel D., Min, Deqiang; Xu, Guoyou; Lou, Dong; Ou, Yat Sun; Weng, Jian
PA USA
SO U.S. Pat. Appl. Publ., 173pp.
CODEN: XEXXKO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US--2008029375	A1	20080214	2006US-11050340?	20060421
PRAI 2006US-11050340?		20060421		

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to phosphorus-containing peptides I and II [A = CONR1, CONL, CONHR1, NHCO, NHSO2; R1 = (un)substituted (hetero)aryl, heterocyclylalkyl, alk(en)yl, alkynyl containing 0-3 heteroatoms selected from O, S or N, cycloalk(en)yl, heterocyclyl; X = absent, O, S, NH; Y = absent, (un)substituted alk(en)ylene containing 0-3 heteroatoms selected from O, S or N, (hetero)cycloalkylene; R = (un)substituted (hetero)aryl; Q = H, SR2, OR2, NHR2, NR2R3, halo, CN, NO2, CONR2R3, CO2R2, COR2, SOR2, SO2R2, SO2NR2R3, CF3, (un)substituted (hetero)cyclyl; L, V = independently S1, NSO2 or EPV = phosphorus-derived heterocyclic moiety; J = (CH2)j j = 0-4; D = (CR2)k; k = 1-3; G = (CH2)g; g = 0-3; D = (CH2)m m = 0-2; T = (CR2)n; n = 1-3) or their pharmaceutically-acceptable salts, esters or prodrugs, which are inhibitors of serine protease activity, particularly hepatitis C virus (HCV) NS3-NS4A protease activity. Thus, the invention interfere with the life cycle of the hepatitis C virus and are also useful as antiviral agents. Thus, macrocycle III was prepared via peptide coupling, ring-closing metathesis and reaction with diphenylphosphinamide. Representative compds. of the invention showed HCV activity in enzyme inhibition and cell-based replicon assays for HCV NS3 protease.

IT 1048902-80-2P 1048902-81-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
Preparation of phosphorus-containing peptides as hepatitis C serine protease inhibitors)

IT 1048902-80-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
Preparation of phosphorus-containing peptides as hepatitis C serine protease inhibitors)

RN 1048902-80-2 HCAPLUS
CN INDEX NAME NOT YET ASSIGNED

Absolute stereochemistry
Double bond geometry unknown

PAGE 1-A

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-B

L13 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 2008:183969 HCAPLUS
TI Preparation of acylaminoheterocaryl peptides as hepatitis C serine protease inhibitors
IN Nie, Zhaiyang; Moore, Joel D.; Lin, Dong; Gao, Yonghai; Chen, Shiyang; Ou, Yat Sun; Weng, Jian
PA USA
SO U.S. Pat. Appl. Publ., 57pp.
CODEN: XEXXKO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US--2008218170	A1	20080214	2006US-11050345?	20060421
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GH, GM, GR, HU, IE, IS, IT, KE, LS, LT, LU, LV, MC, MT, MW, MZ, NA, NL, NO, OA, PL, PT, RO, SD, SE, SI, SK, SL, SM, SZ, TR, TZ, UG, ZM, ZW, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
PRAI 2006US-11050345?	A	20060421		

GI

L13 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to peptides I and II [A = H, CONR3, CONH, CONHR3, NHCH, NHCONHR2; R3 = (un)substituted (hetero)aryl, heterocyclylalkyl, alk(en)yl, alkynyl containing 0-3 heteroatoms selected from O, S or N, cycloalk(en)yl; R2 = H, R1; R1 = H, Me, Et, OH, CONH2; U, U1, U3 = independently S1, NSO2 or EPV; U2 = independently S1, NSO2, CH2 or EPV; R = independently H, or any of R1; L = absent, O, S, NH; Y = absent, (un)substituted alk(en)ylene containing 0-3 heteroatoms selected from O, S or N, (hetero)cycloalkylene; X = (un)substituted (hetero)aryl; L = (CH2)j; j = 0-2; Q = (CR2)k; k = 0-3; D = (CR2)m; m = 0-2, T = (CR2)n; n = 1-2) or their pharmaceutically-acceptable salts, esters or prodrugs, which are inhibitors of serine protease activity, particularly hepatitis C virus (HCV) NS3-NS4A protease activity. The compds. of the invention interfere with the life cycle of the hepatitis C virus and are also useful as antiviral agents. Thus, quinoxalinyl macrocycle III was prepared by coupling of the Me ester of (2S,4R)-1-(tert-butoxycarbonyl)-4-hydroxyprolin-2-one under Mitsunobu conditions, cleavage of the tert-butoxycarbonyl group, treatment with cyclopentyl chloroformate, saponification of the Me ester and coupling of the acid with 5-aminoheterocycle. Representative compds. of the invention showed HCV activity in enzyme inhibition and cell-based replicon assays for HCV NS3 protease.

IT 1057704-86-7P 1057705-11-0P 1057705-15-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
Preparation of acylaminoheterocaryl peptides as hepatitis C serine protease inhibitors)

IT 1057704-86-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
Preparation of acylaminoheterocaryl peptides as hepatitis C serine protease inhibitors)

RN 1057704-86-7 HCAPLUS
CN INDEX NAME NOT YET ASSIGNED

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CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 17:32:07 ON 12 MAR 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 17:32:07 ON 12 MAR 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

-> d bib abs hitrn fhitstr 116 tot
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L34 ANSWER 1 OF 1 SLNPATFLL on STN
AN 2005:197794 USPATFULL
TI Macrocyclic hepatitis C serine protease inhibitors
IN Nam, Sheswara, San Diego, CA, UNITED STATES
Gai, Yang, Waltham, MA, UNITED STATES
Lesburg, Charles Andrew, Cambridge, MA, UNITED STATES
Tong, Lei, Wayland, MA, UNITED STATES
Wu, Frank, Shrewsbury, MA, UNITED STATES
Fu, Caiyun, Auburndale, MA, UNITED STATES
Ge, Yat S., Watertown, MA, UNITED STATES
Wang, Jie, Rockcastle, IN, UNITED STATES
PI US 2005037964 A1 20050217
AI 2004US-0917683 A1 20040813 (10)
PRAI 2002US-0402900P# 20020813 (60)
DT Utility
FS APPLICATION
LA English; ANSELL, LLP, P.O. BOX 51474, BOSTON, MA, 02205, US
CLMN Number of Claims: 11
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 7832
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to compounds of Formula I, II or III, or a pharmaceutically acceptable salt, ester, or prodrug, thereof ##STR1## wherein W is a substituted or unsubstituted heterocyclic ring system. The compounds inhibit serine protease activity, particularly the activity of HCV NS3-NS4A protease. The invention also relates to the compounds of the present invention interfere with the life cycle of the hepatitis C virus and are also useful as antiviral agents. The present invention further relates to pharmaceutical compositions comprising the aforementioned compounds for administration to a subject suffering from HCV infection. The invention also relates to methods of treating an HCV infection in a subject by administering a pharmaceutical composition comprising the compounds of the present invention.

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L14 ANSWER 1 OF 3 USPATFULL on STN
AN 2004:232741 USPATFULL
TI Pyridazinoxyl macrocyclic hepatitis C serine protease inhibitors
IN Nakajima, Dionne, Cambridge, MA, UNITED STATES
Tong, Debing, Malden, MA, UNITED STATES
Wu, Tiejun, Shrewsbury, MA, UNITED STATES
Yang, Wenkui, Westborough, MA, UNITED STATES
Sun, Ying, Wellesley, MA, UNITED STATES
Or, Yat Sun, Watertown, MA, UNITED STATES
Wang, Yue, Hockessin, DE, UNITED STATES
PI US 2004162316 A1 20040819
AI US 2003-707277 (10)
DT Utility
FS APPLICATION
LREP ENANTA PHARMACEUTICALS, INC., ATTN: PATENT DEPT., 500 ARSENAL STREET, WATERTOWN, MA, 02472
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1490
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to novel compounds of Formula I or II, or a pharmaceutically acceptable salt, ester, or prodrug, thereof ##STR1## which inhibit serine protease activity, particularly the activity of hepatitis C virus (HCV) NS3-NS4A protease. Consequently, the compounds of the present invention interfere with the life cycle of the hepatitis C virus and are also useful as antiviral agents. The present invention further relates to pharmaceutical compositions comprising the aforementioned compounds for administration to a subject suffering from HCV infection. The invention also relates to methods of treating an HCV infection in a subject by administering a pharmaceutical composition comprising the compounds of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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(macrocyclic hepatitis C virus (HCV) serine protease NS3 inhibitors, their synthesis and use to prevent HCV infection)
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(macrocyclic hepatitis C virus (HCV) serine protease NS3 inhibitors, their synthesis and use to prevent HCV infection)
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(macrocyclic hepatitis C virus (HCV) serine protease NS3 inhibitors, their synthesis and use to prevent HCV infection)
RN 744247-10-6 USPATFULL
CN Cyclopropa[e]pyrrolo[1,2-a][1,4]diazepino[5,4,3-cd]indolizine-14a(5H)-carboxylic acid, 2,3,3a,4,6,7,8,9,10,11,12,13,14,14b-tetradecahydro-5,14-dioxo-7-(5-phenyl-3H-tetrazol-3-yl)-, (3R,4aS,14aR,14bR)- (CN INDEX NAME)

L14 ANSWER 2 OF 2 USPATFULL on STN (Continued)

L14 ANSWER 2 OF 2 USPATFULL on STN (Continued)
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744250-55-3P 744250-56-4P 744250-57-5P
744250-58-6P
(macrocyclic hepatitis C virus (HCV) serine protease NS3 inhibitors, their synthesis and use to prevent HCV infection)
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744250-68-8P 744250-69-9P 744867-53-2P 744867-54-3P
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(macrocyclic hepatitis C virus (HCV) serine protease NS3 inhibitors, their synthesis and use to prevent HCV infection)
IT 744351-54-9P 744351-55-0P 744351-56-1P
(macrocyclic hepatitis C virus (HCV) serine protease NS3 inhibitors, their synthesis and use to prevent HCV infection)
IT 744251-32-8P 744251-33-9P 744251-57-7P
744251-58-8P 744251-59-9P 744251-60-2P
744251-61-3P 744251-62-4P
(macrocyclic hepatitis C virus (HCV) serine protease NS3 inhibitors, their synthesis and use to prevent HCV infection)
RN 744247-10-6 USPATFULL
CN Cyclopropa[e]pyrrolo[1,2-a][1,4]diazepino[5,4,3-cd]indolizine-14a(5H)-carboxylic acid, 2,3,3a,4,6,7,8,9,10,11,12,13,14,14b-tetradecahydro-5,14-dioxo-7-(5-phenyl-3H-tetrazol-3-yl)-, (3R,4aS,14aR,14bR)- (CN INDEX NAME)

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     (FILE 'HOME' ENTERED AT 17:08:34 ON 12 MAR 2008)

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L1             1 US20050153877/PN

     FILE 'REGISTRY' ENTERED AT 17:09:01 ON 12 MAR 2008

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L2               TRA L1 1- RN :      730 TERMS

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L3           730 SEA L2
L4           588 L3 AND NRRS>=3
L5               STR
L6            40 L5
L7           763 L5 FULL
                 SAV TEM J047C1G1/A L7
L8           553 L7 AND L3
L9           210 L7 NOT L8

     FILE 'HCAPLUS' ENTERED AT 17:25:28 ON 12 MAR 2008
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L11            4 L9
L12            2 L10 AND L11
L13            2 L11 NOT L12
L14            4 L10,L12

     FILE 'HCAOLD' ENTERED AT 17:29:44 ON 12 MAR 2008
L15            0 L7

     FILE 'USPATFULL, USPATOLD, USPAT2' ENTERED AT 17:29:54 ON 12 MAR 2008
L16            2 L7

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